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EXPRESS MAIL LABEL NO.: EV660685750US

PATENT APPLICATION Docket No.: 15913.39.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing and pursuant to 37 C.F.R. § 1.97 is an Information Disclosure Statement.

Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- X Form PTO-1449 list of ninety (90) references submitted for consideration.
- X Legible copies of the listed foreign references or their relevant portions.
- All English translations of each non-English reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The following are included within the Information Disclosure Statement if applicable and as required under 37 C.F.R. § 1.98:

- Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.
- Statement that certain listed references not enclosed are substantially cumulative of an enclosed reference.
- Statement that certain listed references not enclosed were previously cited by or submitted to the Office in the identified

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50.00 DA 130.00 DP

^{*} Admitted only in California

[§] Admitted only in Virginia



prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.

Legible Copies of previously filed Information Disclosure Statement for application Serial No. _____, filed _____.

In order to secure consideration of the items designated above, one or more of the following, if required, is also enclosed:

____ Promptness Certification.

- X PTO Form 2038 in the amount of \$130.00 constituting submission fee under 37 C.F.R. 1.17(p);
- ___ Petition for Consideration and Check No. ____ in the amount of \$_____
- X In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Promptness Certification meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

Dated this 3 day of May, 2005.

Respectfully submitted,

JOHN M. GUYNN Attorney for Applicant Registration No. 36,153 Customer No. 022913

JMG:kcs KCS0000006025V001



EXPRESS MAIL NO. EV 660 685 750 US

PATENT APPLICATION Docket No.: 15913.39.1

In re application of:)
	Bing Zhou, et al.))
Serial No.:	10/618,808) Art Unit
Filed:	July 14, 2003) 1754)
Confirmation No.:	5792))
For:	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS))))
Examiner:	Wayne A. Langel	<i>)</i>)

<u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 C.F.R. § 1.97</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

Dated this 31 day of May, 2005.

PE VOSTA TRIBEMENT STEMPS TRIBEMENT & TRIB

Respectfully submitted,

50HN M. GUYNN Attorney for Applicant Registration No. 36,153

Customer No. 022913

JMG:kcs KCS0000006028V001

Sheet 1 of 7

Applicant:

Bing Zhou, et al.

Serial No.

10/618,808

5792

Att'y Docket No. 15913.39.1

Group: 1754

Confirmation No Filing Date: For

MAY 3 1 2005

July 14, 2003

SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner <u>Initial*</u>	Document Number	Issue <u>Date</u>	<u>Name</u>
1	4,007,256	02/08/1977	Kim, et al.
2	4,009,252	02/22/1977	Izumi, et al.
3	4,148,750	04/10/1979	Pine
4	4,279,883	07/21/1981	Izumi, et al.
5	4,313,806	02/02/1982	Dalton, Jr., et al.
6	4,336,238	06/22/1982	Dalton, Jr., et al.
7	4,366,085	12/28/1982	Ikegami
8	4,369,128	02/18/1983	Moseley, et al.
9	4,379,778	04/21/1983	Dalton, Jr., et al.
10	4,661,337	04/28/1987	Brill
11	4,681,751	07/21/1987	Gosser
12	4,772,458	09/20/1988	Gosser
13	4,826,795	05/02/1989	Kitson, et al.
14	4,832,938	05/23/1989	Gosser

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Date Considered:

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Bing Zhou, et al.

Applicant: Serial No.

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Sheet 2 of 7

Filing Date: For:

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SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

15	4,889,705	12/26/1984	Gosser
16	4,983,558	01/08/1991	Born
17	4,996,039	02/26/1991	Prahus, et al.
18	5,017,535	05/21/1991	Schoonhoven
19	5,128,114	07/07/1992	Schwartz
20	5,132,099	07/21/1992	Hiramatsu, et al.
21	5,135,731	08/04/1992	Gosser, et al.
22	5,159,618	12/08/1992	Maraschino
23	5,169,267	08/10/1993	Birbara
24	5,180,573	02/19/1993	Hiramatsu, et al.
25	5,194,242	03/06/1993	Paoli
26	5,234,584	08/10/1993	Birbara
27	5,236,692	08/17/1993	Nagashima
28	5,320,821	06/14/1994	Nagashima, et al.
29	5,352,645	10/04/1994	Schwartz
30	5,362,405	11/08/1994	Birbara
31	5,378,450	01/03/1995	Tomita
32	5,447,706	09/05/1995	Van Weynbergh, et al.

Examiner: Date Considered:

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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riling Date:

Confirmation No.

July 14, 2003

For:

SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

33	5,460,734	10/24/1995	Birbara
34	5,496,532	03/05/1996	Monzen
35	5,505,921	04/09/1996	Luckoff, et al.
36	5,641,467	06/24/1997	Huckins
37	5,851,948	12/22/1998	Chuang
38	5,859,265	01/12/1999	Muller
39	5,972,305	10/26/1999	Park, et al.
40	6,005,155	12/21/1999	Sun
41	6,042,804	03/28/2000	Huckins
42	6,054,507	04/25/2000	Funaki
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45	6,159,267	12/12/2000	Hampden-Smith
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47	6,239,054	05/29/2001	Shukis
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49	6,307,073	10/23/2001	Jones
50	6,375,920	04/23/2002	Fischer, et al.
Examiner:		Date Consider	ed:

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Filing Date:

July 14, 2003

For:

SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

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51	6,387,346	05/14/2002	Bertsch-Frank, et al.
52	6,447,743	09/10/2002	Dene
53	6,504,040	01/03/2003	Vogtel, et al.
54	6,534,440	03/18/2003	Choudhary, et al.
55	6,630,118	10/07/2003	Paparatto
56	6,635,348	10/21/2003	Hampden-Smith
57	6,649,140	11/18/2003	Paparatto
58	6,676,919	01/13/2004	Fischer
59	6,713,036	03/30/2004	Vanden Bussche, et al.
60	6,764,671	07/20/2004	Haas, et al.
61	6,768,013	07/27/2004	Pujado
62	6,872,377	03/29/2005	Fischer, et al.
63	6,888,013	05/03/2005	Paparrato, et al.

U.S. Patent Publications

Initial*	Number_	Date	<u>Name</u>	
Examiner:		Date Con	sidered:	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicant:

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SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

64	2001/0024634	09/27/2001	Bertsch-Frank, et al.
65	2003/0086853	05/08/2003	Denc, et al.
66	2003/0180212	09/25/2003	Huckins
67	2003/0215383	11/20/2003	Escrig
68	2004/0013601	01/22/2004	Butz
69	2004/0037769	02/26/2004	Paparatto, et al.
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71	2004/0081611	04/29/2004	Muller, et al.
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75	2004/0184983	09/23/2004	Paparatto

Foreign Patent Documents

Examiner <u>Initial</u> *	Document Number	Publication <u>Date</u>	Country or Patent Office	
Examiner:		Date Consid	ered:	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicant:

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Group: 1754

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July 14, 2003

SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR

PREPARING SUCH CATALYSTS

76	WO 00/59635	10/12/2000	PCT
77	WO 01/05501	01/25/2001	PCT
78	EP 1 160 195	12/05/2001	EPO
79	EP 1 160 196	12/05/2001	EPO
80	WO 02/14217	02/21/2002	PCT
81	WO 02/14299	02/21/2002	PCT
82	WO 02/28527	04/11/2002	PCT
83	WO 02/28528	04/11/2002	PCT
84	EP 1 277 701	07/15/2002	ЕРО
85	WO 02/83550	10/24/2002	PCT
86	WO 02/92501	11/21/2002	PCT
87	WO 02/92502	11/21/2002	PCT
88	WO 03/14014	02/20/2003	PCT
89	EP 1 308 416	05/07/2003	EPO
90	EP 1 344 747	09/17/2003	EPO

Examiner:	Date Considered:

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 7 of 7

Applicant:

Bing Zhou, et al.

Serial No.

10/618,808

Att'y Docket No. 15913.39.1

Confirmation No.

5792

Group: 1754

Filing Date:
For: O 1 P E COMMAN 3 1 2005 55

July 14, 2003 SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

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Date Considered:

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ERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Bing Zhou, et al.

Docket No. 15913.39.1

Serial No. 10/618,808

Filing Date July 14, 2003 Confirmation No. 5792

Examiner Wayne A. Langel

Group Art Unit 1754

Invention: SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS

I hereby certify that the Transmittal letter (2 pages) (in triplicate); Information Disclosure Statement (2 pgs); Form PTO-1449 Listing all Cited References (7 pgs); Legible Copies of Fifteen (15) Cited References; PTO Form 2038 in the amount of \$130.00; and postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 2005

Kendell Steele

(Typed or Printed Name of Person Mailing

Correspondenge)

(Signature of Person Mailing Correspondence)

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